Application Serial No.: 09/582,477
Amendment dated February 2, 2005
Reply to Office Action dated November 3, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of the Claims

1.   (Currently Amended) A management system for a building or for one or more rooms in a building, having at least one control center (10) and at least two components (13, 14, 15, 16) connected to the control center (10) by radio, the control center (10) receiving signals from the components (11) or transmitting signals to the components (13, 14, 15, 16), and the signals being transmitted within a prescribed frequency range (54), wherein the signals are transmitted at at least two different frequencies within the frequency range (54), at least one of these frequencies being outside a defined partial frequency range (55) of the frequency range (54), wherein the defined partial frequency range (55) of the frequency range (54) is defined as including a portion of the frequency range (54) that is more commonly used than other portions of the frequency range (54) by devices in or near the building.

2.   (Original)   The management system as claimed in claim 1, wherein the signals are transmitted in a temporally offset fashion at at least two different frequencies.

3.   (Previously Presented)   The management system as claimed in claim 1, wherein the signals are transmitted sequentially in time at three different frequencies, at least a first of the three frequencies being below the partial frequency range (55), and at least a second of the three frequencies being above the partial frequency range (55).

4.   (Previously Presented)   The management system as claimed in claim 1, wherein the frequency range (54) corresponds to a high frequency ISM band.

Application Serial No.: 09/582,477
Amendment dated February 2, 2005
Reply to Office Action dated November 3, 2004

5.   (Previously Presented)   The management system as claimed in claim 4, wherein the frequency range (54) is between 433 MHz and 435 MHz.

6.   (Previously Presented)   The management system as claimed in claim 1, wherein the frequency range (54) is subdivided into a plurality of channels (56) of substantially identical channel width.

7.   (Previously Presented)   The management system as claimed in claim 6, wherein the channel width is about 50 KHz.

8.   (Previously Presented)   The management system as claimed in claim 1, wherein the control center (10) and the components (11, 13, 14, 15, 16) have at least in each case one transmitter (19) and/or at least in each case one receiver (20), and wherein each transmitter (19) transmits each of these signals to be transmitted at at least two different frequencies, each of these frequencies being assigned to a different channel (56) within the frequency range (54).

9.   (Previously Presented)   The management system as claimed in claim 8, wherein a receiver (20) assigned to the transmitter (19) scans each of the channels (56) on which the transmitter (19) transmits the signals to be transmitted, each channel (56) being scanned at a step interval of about 10 KHz.

10.   (Previously Presented)   The management system as claimed in claim 1, wherein the partial frequency range (55) is in a range, frequently used by foreign units, at about the band center frequency of the frequency range.

11.   (Previously Presented)   A method of communicating comprising:
identifying a desired frequency range within which communication is to occur;
identifying a subrange in the frequency range which is more commonly used than other parts of the frequency range; and

sending a set of data by the steps of:

sending at least selected data using a first frequency within the subrange; and

sending at least selected data using a second frequency that is not in the subrange.

12. (Previously Presented) A method as in claim 11 wherein the step of sending a set of data is performed using a wireless transmission.

13. (Previously Presented) A method as in claim 12 wherein the desired frequency range is the ISM frequency range.

14. (Previously Presented) A method as in claim 13 further comprising wirelessly sending at least selected data using a third frequency that is also not in the subrange, wherein the second frequency is below the subrange and the third frequency is above the subrange.

15. (Previously Presented) A method of operating a building management system comprising:

identifying a desired frequency range within which communication is to occur;

identifying a subrange in the frequency range which is more commonly used than other parts of the frequency range; and

sending a set of data by:

sending at least selected data using a first frequency in the subrange; and

sending at least selected data using a second frequency that is not in the subrange.

16. (Previously Presented) A method as in claim 15 further comprising:

providing a number of wireless components for sending data to a building management center; and

placing the wireless components at desired locations within a building.

17.   (Previously Presented)   A method as in claim 16 wherein the step of identifying the subrange includes determining what other wireless devices there are in the vicinity of the building.

18.   (Previously Presented)   A method as in claim 17 wherein a number of the wireless components are devices for monitoring environmental conditions within an area of the building.

19.   (Previously Presented)   A method as in claim 17 further comprising wirelessly sending at least selected data using a third frequency that is not in the subrange, wherein the second frequency is below the subrange and the third frequency is above the subrange.

20.   (Previously Presented)   A method as in claim 17 wherein the desired frequency range includes a part of the ISM frequency range.